

Leaders in Energy Without Borders Forum



Presented at:
Google Hangout Session
December 17, 2015

Presented by:
Janine Finnell
Founder, Leaders in Energy
& Clean Energy Ambassador

Mission

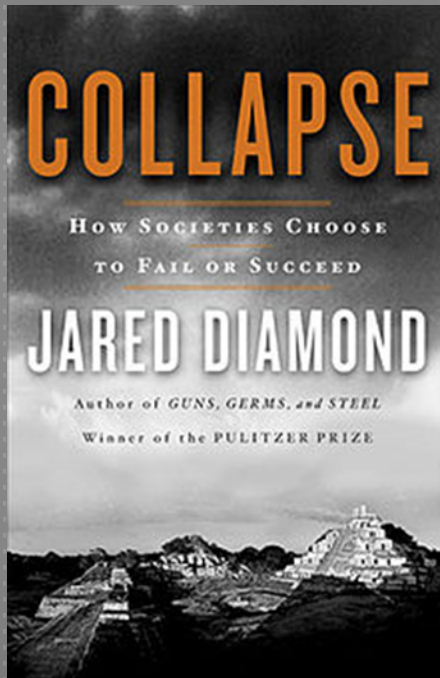
Build a community of engaged leaders to enable and create a sustainable energy system, economy, and world.

* * *

- Key Building Blocks:
 - Attract individuals who are passionate about thinking, collaborating on, and seeking solutions to energy, environmental and sustainability challenges;
 - Provide on-line platforms and in-person meeting venues to engage and exchange information on clean energy, environmental, and sustainability topics (LinkedIn group/ events in Washington DC Metro Area); and
 - Help people to connect for green jobs and business opportunities to create a more regenerative economy and world

Why is This Important?

The Bad News We Are All Increasingly Becoming Aware Of:



Challenges:

- ▶ Deforestation and habitat destruction
- ▶ Soil problems (erosion, salinization, and soil fertility losses)
- ▶ Water management problems
- ▶ Overhunting
- ▶ Overfishing
- ▶ Effects of introduced species on native species
- ▶ Overpopulation
- ▶ Increased per-capita impact of people
- ▶ Anthropogenic climate change
- ▶ Buildup of toxins in the environment
- ▶ Energy shortages
- ▶ Full human use of the Earth's photosynthetic capacity



Clean Energy & Sustainability Developments Offer Potential to Transform Economy



Focus of Leaders in Energy On-Line and In-Person Events

Topics include:

- Clean energy;
- Renewables, fossil, nuclear, and energy storage technology;
- Energy and water issues;
- Green infrastructure
- Biodiversity; and
- Community and corporate sustainability

We help our members connect with one another on:

- Opportunities related to employment;
- Business partnering;
- Speaking engagements; and
- Connecting with other members

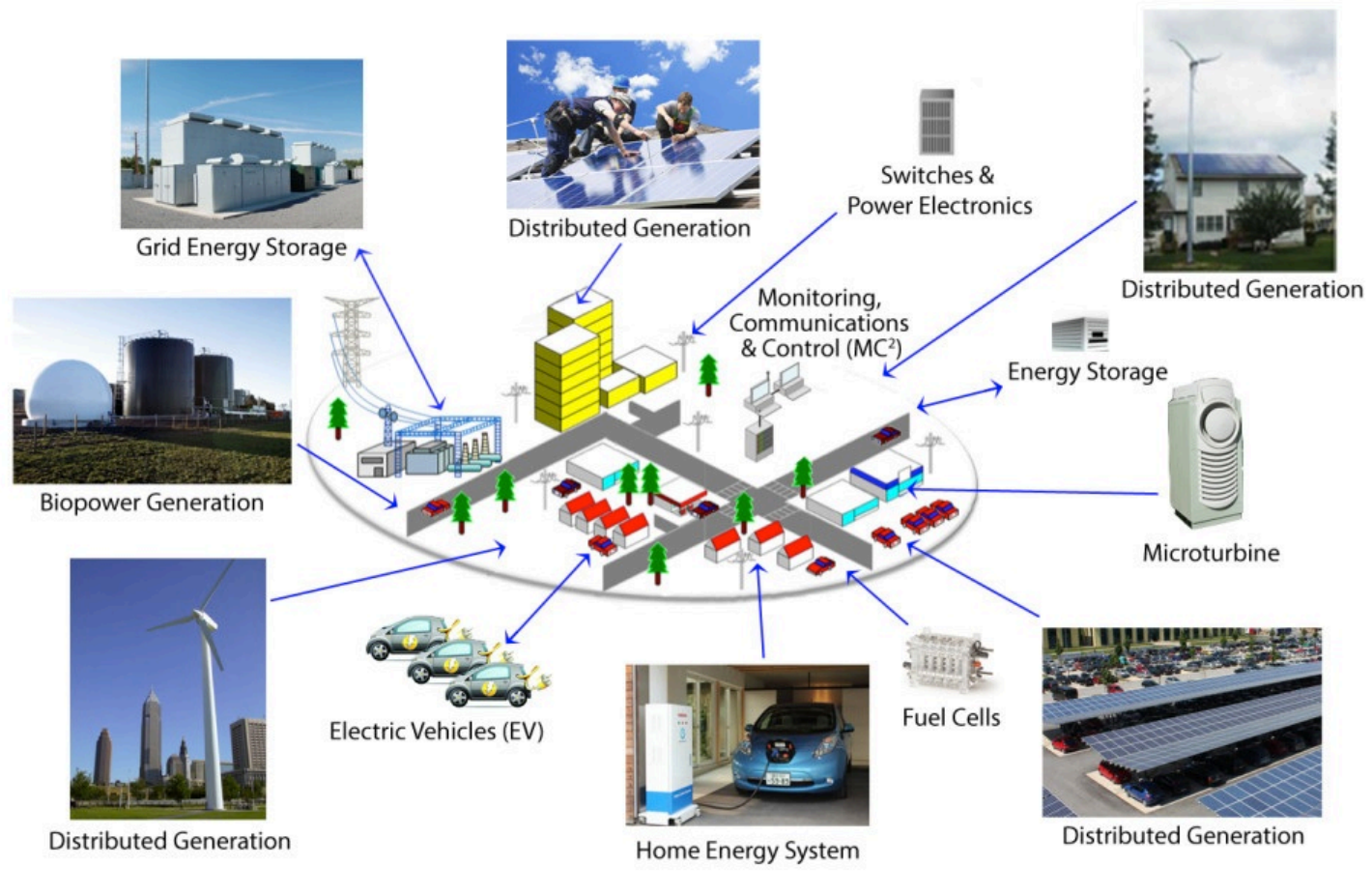
Join Us in Our Quest to Make a Difference at:
www.leadersinenergy.org

Opportunities: Hybrid Systems



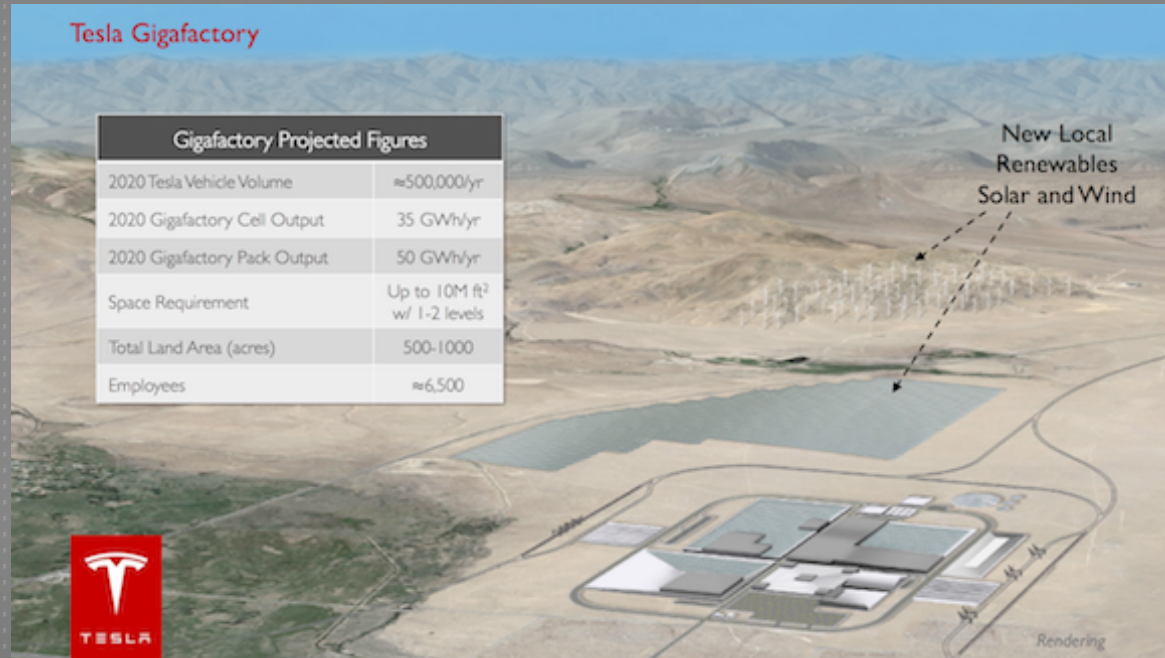
Florida Power & Light Company -- Martin
Next Generation Hybrid Solar Plant

Opportunities: Microgrids



<http://theartemisproject.com>

Opportunities: Energy Storage

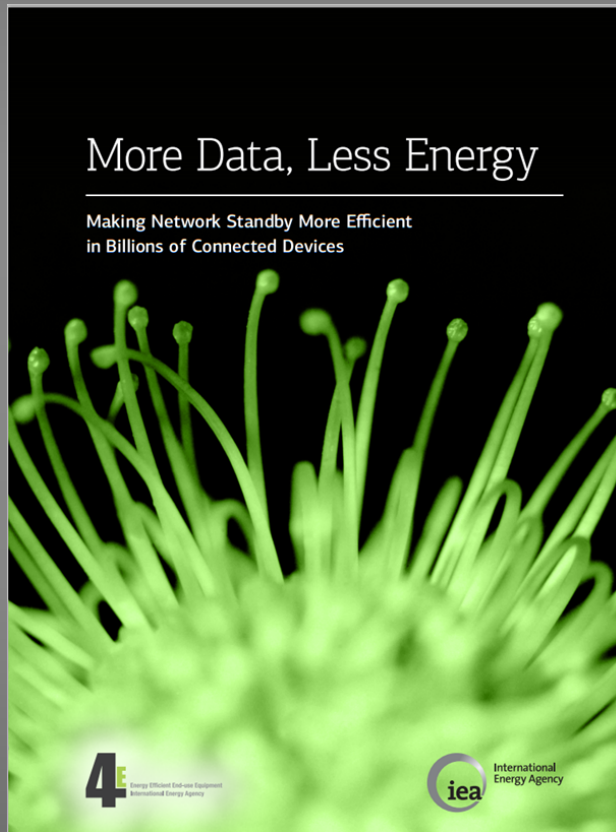


Rendering of proposed Tesla Giga Battery Factory Site in Nevada



LEADERS in ENERGY
RESEARCH, COMMUNICATIONS,
POLICIES & ANALYSIS (LERCBA)

Opportunities: Energy Efficiency



- ▶ Example: Network-enabled devices outnumber people on the planet by a ratio of 2:1
- ▶ ICT accounts for 8% of electricity use in the European Union
- ▶ Implementing best available technologies and solutions for energy efficiency could unlock savings of 739 TWh/yr by 2025 – more than the current total final electricity consumption of Canada, Denmark, Finland and Norway combined.



Opportunities: Greening of Fossil Technologies



Natural Gas Industry Seeking Better Chemicals

Opportunities: Reduce Nuclear Waste



Transatomic Power's Waste-Annihilating Molten Salt Reactor (WAMSR) design uses nuclear “waste” to power the plant.

Pictured: The Transatomic Power team—Mark Massie, Leslie Dewan, Russ Wilcox—in front of the used nuclear fuel storage casks at the Vermont Yankee nuclear power station.

Source: <http://www.theatlantic.com/technology/archive/2014/06/is-nuclear-power-ever-coming-back/373315>

* <http://fortune.com/2014/07/03/startup-nuclear-energy-companies>

Opportunities: Wearable Solar Clothing

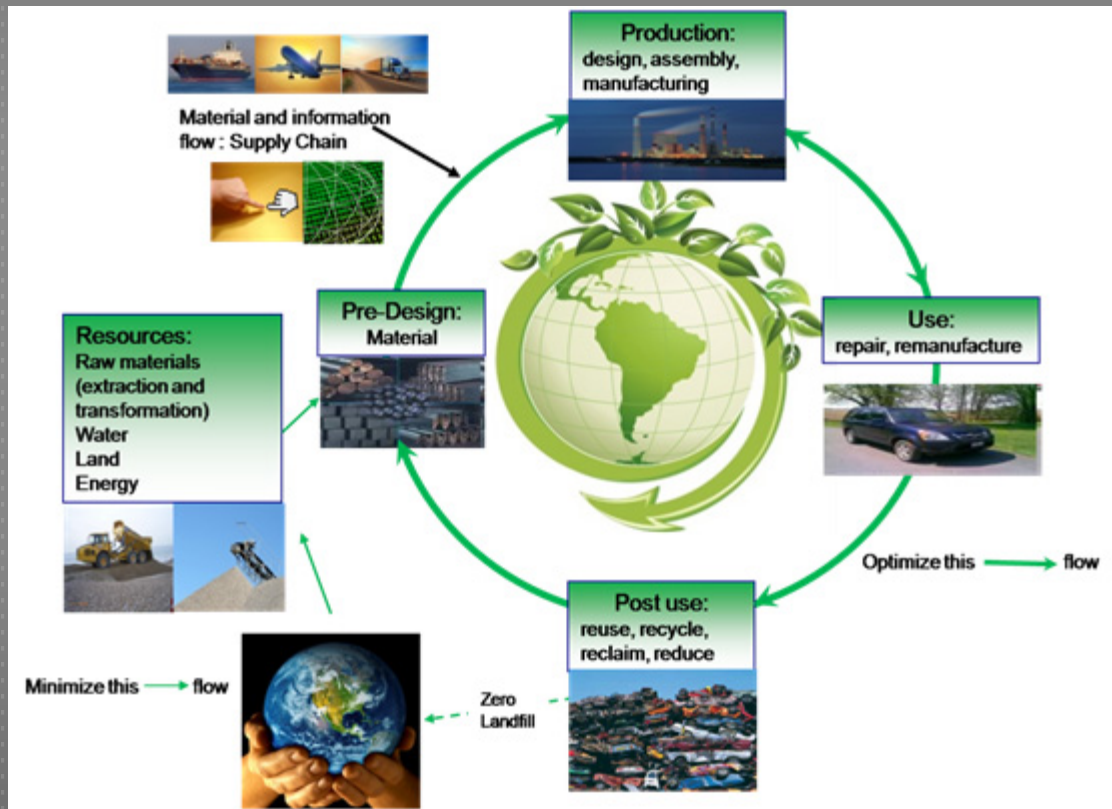


<http://www.ecouterre.com/solar-power-goes-couture-with-pauline-van-dongens-avant-garde-wearables/pauline-van-dongen-wearable-solar-1>



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Opportunities: Sustainable Manufacturing/Supply Chain

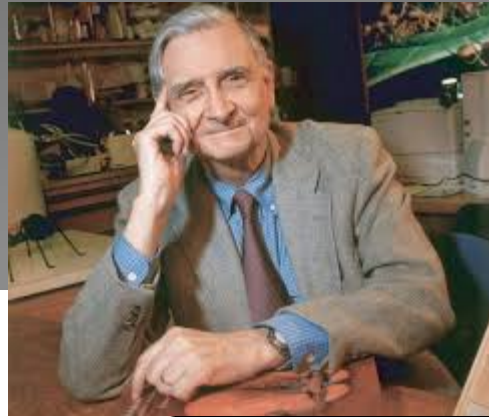


Green Jobs & A More Effective, Sustainable Economy

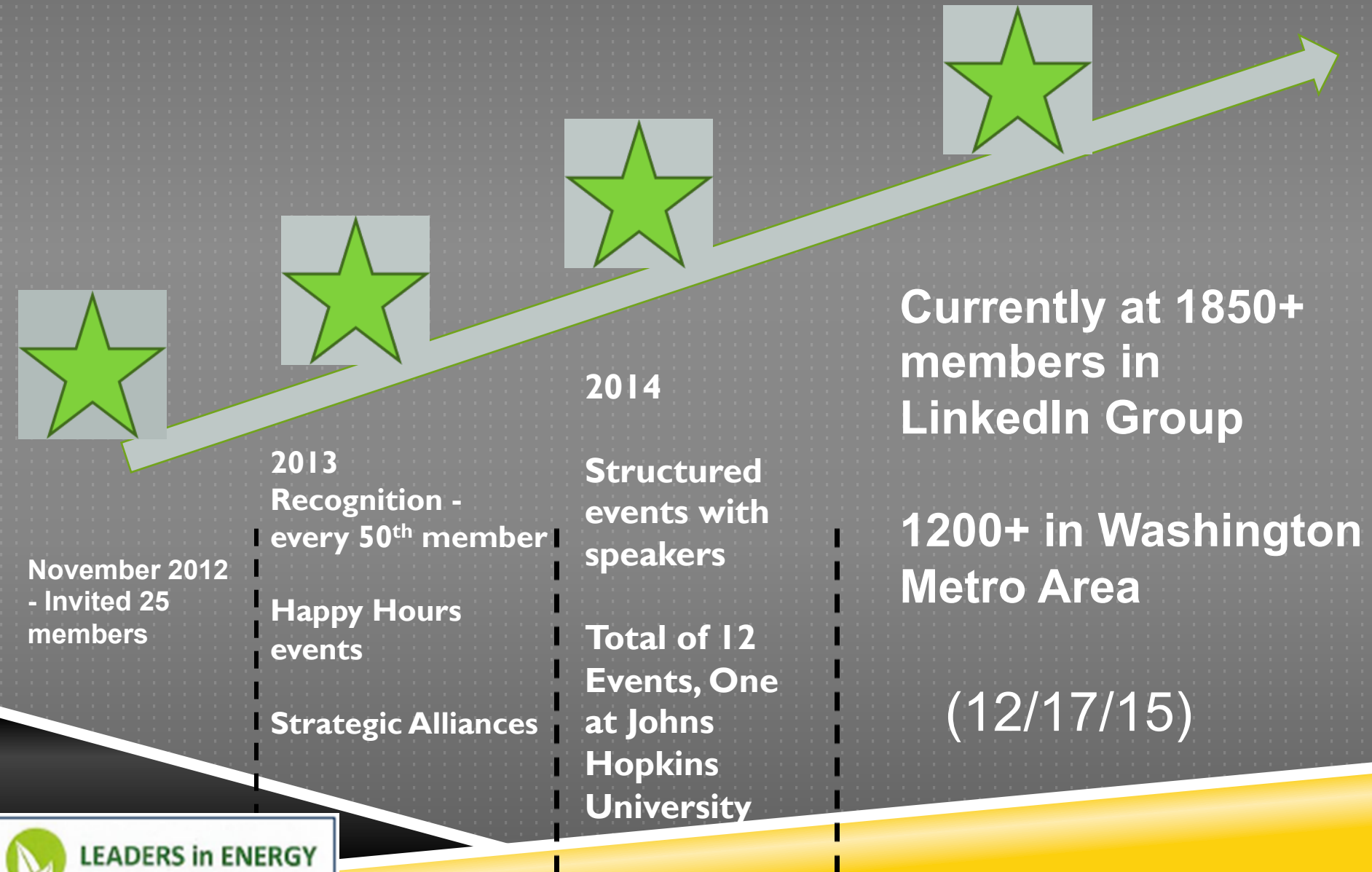


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POLICIES & ANALYSIS (LERCPA)

Challenges: Biodiversity



Leaders in Energy Timeline





Leaders in Energy, APPA &
Business Radar Present
Building a Responsive Energy
Infrastructure for the Future

8. 20.15

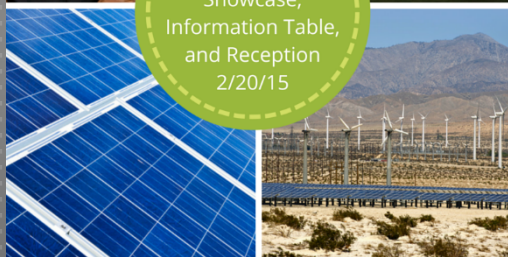
www.lercpa.org



CWEEL Women
in Energy and
Environmental
Leadership Panel
2/20/15



Leaders
in Energy
Showcase,
Information Table,
and Reception
2/20/15



Leaders in Energy Presents

Sustainable Manufacturing

Building a Circular Economy in the Washington
DC/Baltimore MD/Northern Virginia Region

March 19, 2015 | Alexandria, VA

www.lercpa.org

Leaders in Energy
Presents

The Evolving Bioeconomy &
Renewable Fuels

June 22, 2015

www.lercpa.org



LEADERS IN ENERGY &
LEVICK PRESENT

GREEN JOBS

APRIL 16, 2015

WWW.LERCPA.ORG



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RESEARCH, COMMUNICATIONS,
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Leaders in Energy — Organizations Partnered With and Speakers

Co-Hosting Organizations/Sponsors

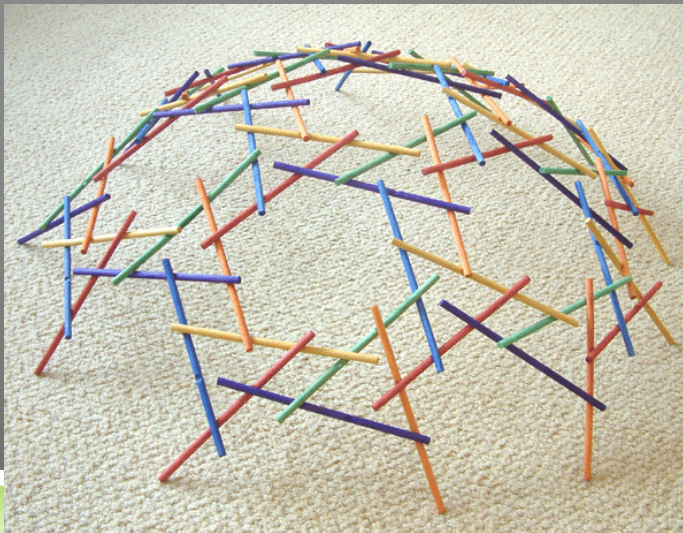
- African American Sustainable Business Committee
- Alexandria Emerging Technology Center
- Alexandria Renew Enterprises
- American Public Power Association
- Arlingtonians for a Clean Environment
- Arlington Green
- Arlington Green Drinks
- Association of Energy Engineers National Capital Chapter/World Energy Engineering Congress
- Biogas Researchers, Inc.
- Budderfly
- Business Radar
- Center for the Advancement of the Steady State Economy
- Clean Energy Leadership Institute
- Clean Energy Research and Education Foundation (CEREF)
- Connect 113
- Corporate Social Responsibility (CSR) DC
- Council on Women in Energy and Environment
- DC Green Drinks
- DC Net Impact
- Eco Caters
- Johns Hopkins University
- LEVICK
- Longenecker & Associates
- OurEnergyPolicy.org
- Potential Energy DC
- Soapbox
- The George Washington University
- Virginia Tech (in process)
- WeWork

Speakers

- Aquicore
- Aracadian Center for Sustainable Food and Agriculture
- Arlingtonians for a Clean Environment
- Arlington County Energy Manager
- Center for the Advancement of the Steady State Economy
- Center for Sustainable Food and Agriculture
- DC Sustainable Energy Utility
- Deloitte
- District Sun
- Embassy of The Netherlands (Scheduled)
- Foundation for Ocean Renewables
- George Mason University Center for Regional Analysis
- Independent Consultant with U.S. Energy Economics Association National Capital Chapter (USAEE-NCC)
- Maryland Clean Energy Center
- National Atmospheric and Oceanic Administration (NOAA); National Weather Service
- TEDCO (State of Maryland)
- Smartpower
- SolarCity
- The George Washington University
- U.S. Department of Agriculture
- U.S. Department of Energy
- U.S. Department of the Interior, Bureau of Ocean Energy Management
- U.S. Environmental Protection Agency



Connecting Thought Leaders



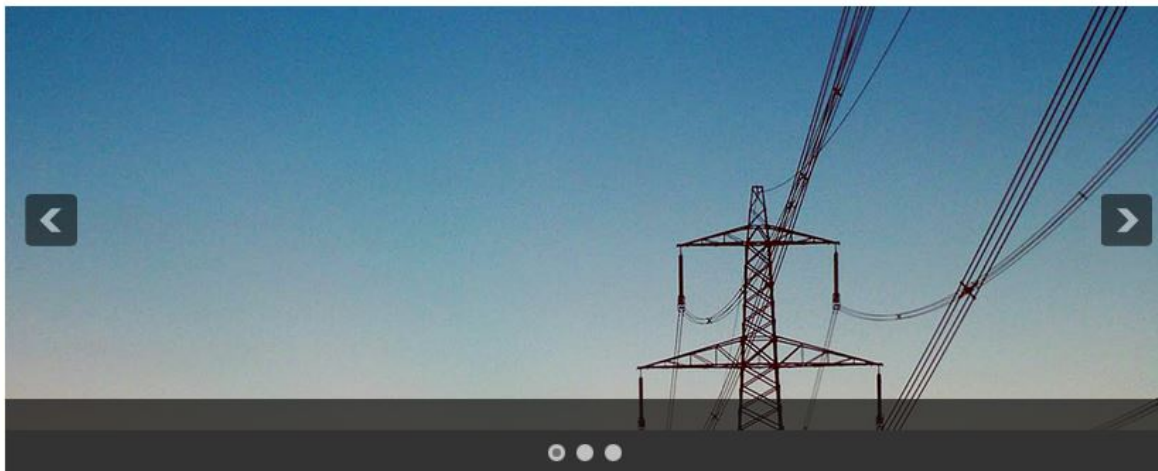
- ▶ Building a global community of professionals:
 - ▶ members connecting from around the world
- ▶ Enabling members to pursue professional development objectives
- ▶ Transforming ideas from thought leaders all over the world:
 - ▶ bringing them together to create synergies into action and change
 - ▶ making a difference in the world



Leaders in Energy

Research, Communications, Policies & Analysis

[HOME](#) [ABOUT THE GROUP »](#) [BENEFITS OF MEMBERSHIP](#) [BLOG](#) [EVENTS](#) [CONTACT US](#)



ARE YOU INTERESTED IN ENERGY, ENVIRONMENTAL, AND SUSTAINABILITY TOPICS?

Would you like to connect with other like-minded professionals?

In this select group, energy, environmental and sustainability leaders and other professionals come together to network and share best practices and success stories pertaining to research, communications, policies, and analysis.

The mission of Leaders in Energy, Research, Communications, Policies, and Analysis (LERCPA)

The purpose of this group is to engage professionals who delight in thinking about, discussing, and collaborating on energy, environmental, and sustainability topics to convene on-line and in person through networking events.

We seek to attract like-minded individuals who are passionate about dialoguing, collaborating, and seeking solutions to energy, environmental and sustainability challenges.

Through its LinkedIn site and monthly professional networking events in the Washington, DC area, the group collects and exchanges ideas and information to build a specialized network of professionals who are interested in making a difference through transformative leadership and actions.

Connect To Our
Leadership Community



Upcoming Events

December 5, 2014

Leaders in Energy "Four Generations:
Leadership in Energy and Sustainability"
Holiday Happy Hour

Volunteer
Ways to Get Involved



FOLLOW US:





Leaders in Energy Research, Communications, Policies & Analysis (LERCPA)

<http://lercpa.org>

Thank You for Your Attention



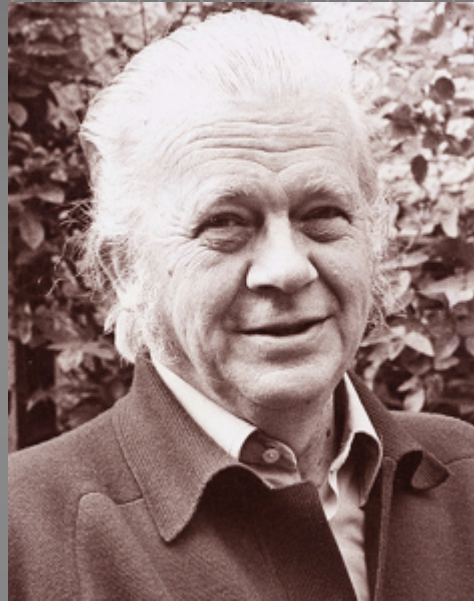
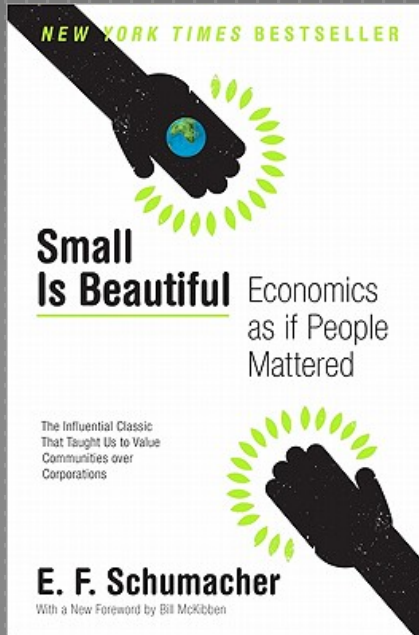
- ▶ Janine Finnell
- ▶ Email: CleanEnergyAmbassador@lercpa.org
- ▶ 703-203-0766
- ▶ @JanineFinnell

Join Us!

www.lercpa.org

Back-Up Slides

Background - Influencers



Herman Daly – Ecological Economics

Others:

“Conscious Capitalism” movement

E. F. Schumacher, British Economist & Author

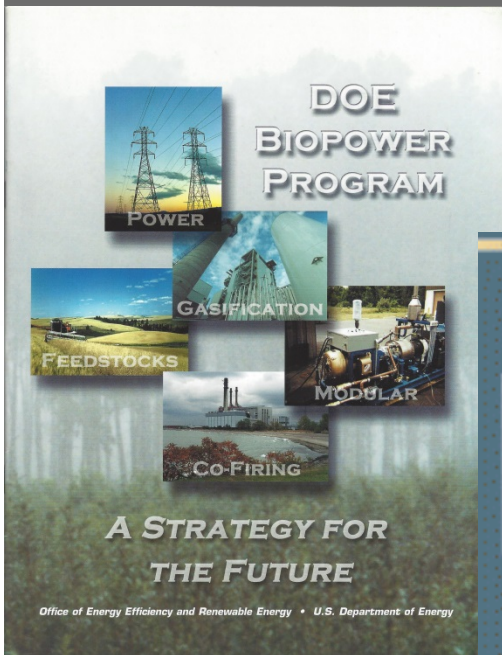


Cities and Counties: Thinking Globally, Acting Locally

Sustainability
in Action



PUBLIC TECHNOLOGY, INC.
25 YEARS OF PROGRESS



Clean Energy Ambassador



*Inspiring Americans to
protect wildlife for our children's future*



CHOICES

Cogeneration and Competitive Power Journal

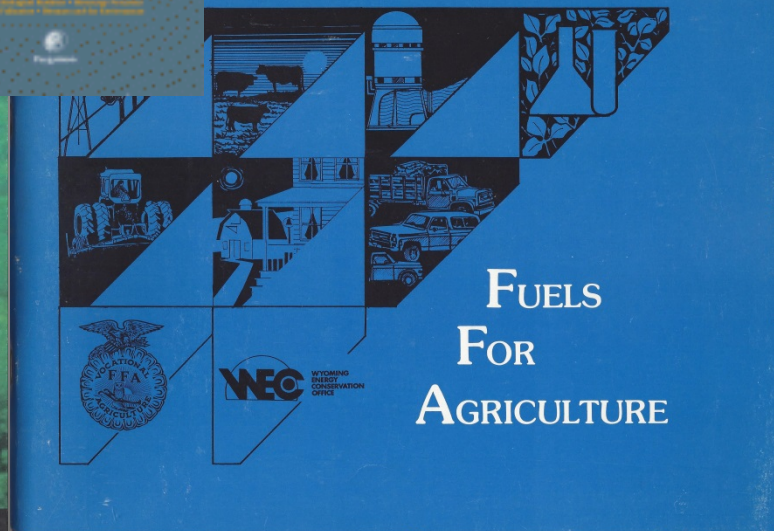
F. William Payne
Editor-in-Chief

Biofuels: A Win-Win Strategy

Stabilizing Global
Climate Change
While Achieving
A Sustainable
Energy Future



U.S. Department of Energy
Biofuels Systems Division



International and Domestic Energy & Sustainability Experience



TECHNOLOGY & MANAGEMENT SERVICES, INC.

